Data block convolutional coding device and method, and corresponding decoding method and device

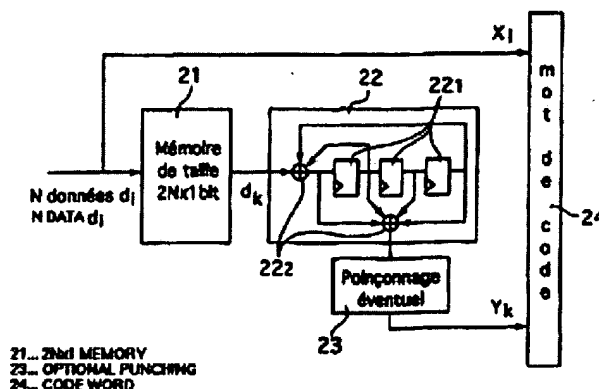|		Also published as:
Patent number:	FR2747255	WO9738495 (A1)
Publication date:	1997-10-10	EP0891656 (A1)
Inventor:	BERROU CLAUDE; JEZEQUEL MICHEL	US6119264 (A1)
Applicant:	FRANCE TELECOM (FR)	EP0891656 (B1)
Classification:		
– International:	H04L1/00; H03M13/00	
– european:	H03M13/29T, H03M13/39, H03M13/45, H04L1/00B2, H03M13/23	
Application number:	FR19960004485 19960403	
Priority number(s):	FR19960004485 19960403	

Abstract of FR2747255

A method and device for the convolutional coding of data blocks, each consisting of a predetermined number N of source data, wherein each of said source data is input twice in the same convolutional coder (22) implementing an L period generator polynomial, in an order such that the two inputs of the same source data di are separated by the input of (pi.L)-1 other source data, pi being an integer other than zero. The invention also discloses a corresponding decoding method and device. It is particularly useful for transmitting short messages, for example in radiotelephone, satellite communication or computerised telecommunication (such as the Internet network) applications.

21... 2Nd MEMORY
23... OPTIONAL PUNCHING
24... CODE WORD

Data supplied from the *esp@cenet* database - Worldwide